

FIG. 1

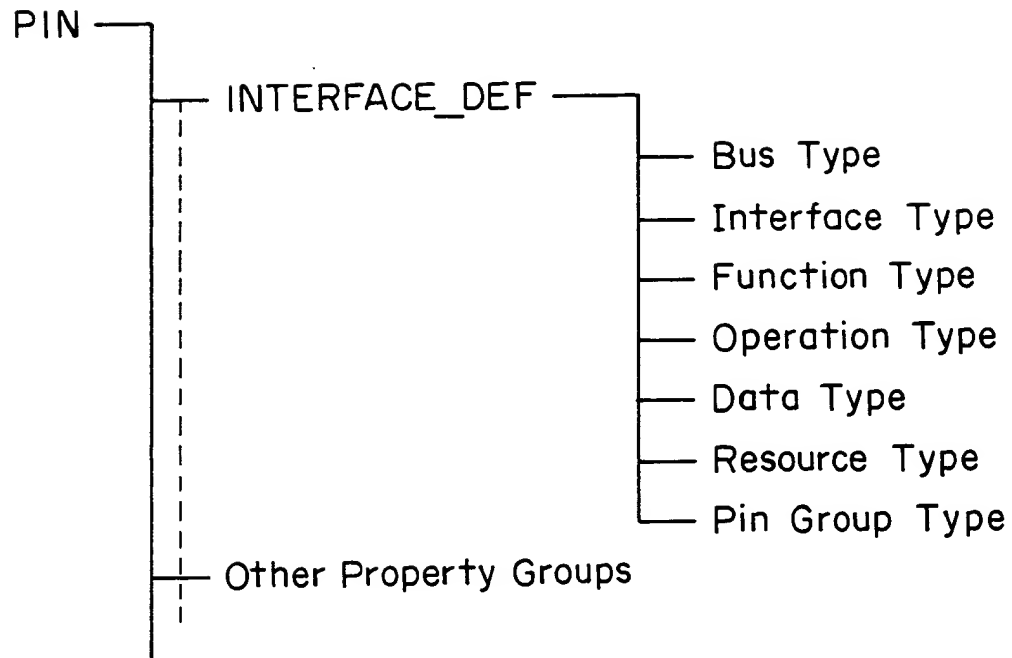


FIG. 2

COMPONENT PowerPC401 PROPERTIES{

```
COMPOSITE_PROPERTY INTERFACE_DEF{
  PROPERTY BUS_TYPE: {PLB, OCM, DCR, ect.};

  PROPERTY INTERFACE_TYPE: {MASTER, ISOCM, DSOCM, SYSTEM, EIC., I.SSD, JTAG,...};

  PROPERTY FUNCTION_TYPE: {READ_OR_WRITE, READ, WRITE, INTERRUPT, FETCH,...};

  PROPERTY OPERATION_TYPE : { ACKNOWLEDGE, BUSY, ERROR, VALID, ABORT, ENABLE,
                              GUARDED_TRANSFER, COMPRESSED_TRANSFER, REQUEST,
                              SIZE, BYTE_ENABLE, ADJUST, HOLD,...}

  PROPERTY DATA_TYPE: { ADDRESS, DATA, PRIORITY_DATA, INSTRUCTION,...};

  PROPERTY RESOURCE_TYPE: {BUS, WRITE_BUS, READ_BUS,...};

  PROPERTY PIN_GROUP/L: {DCU, ICU, IN, OUT, CONROL,...};
};

PROPERTY CONNECTION_LOGIC: {CONCAT, OR, AND, XOR, NOT };

pin ICU_plhRequest {
  INTERFACE_DEF= {PLB, MASTER, FETCH, REQUEST, INSTRUCTION, BUS, ICU };
};
pin PLB_dcuAddrAck{
  INTERFACE_DEF= {PLB, MASTER, READ_OR_WRITE, ACKNOWLEDGE, ADDRESS,
                  BUS, DCU};
};
pin PLB_icuRdDBus{
  INTERFACE_DEF= {PLB, MASTER, READ, NA, DATA, BUS, ICU};
};
pin DCR_cpuAck{
  INTERFACE_DEF= {DCR, NA, READ_OR_WRITE, ACKNOWLEDGE, DATA, NA, CONTROL};
  CONNECTION_LOGIC= { OR };
};
.....
.....
```

FIG. 3

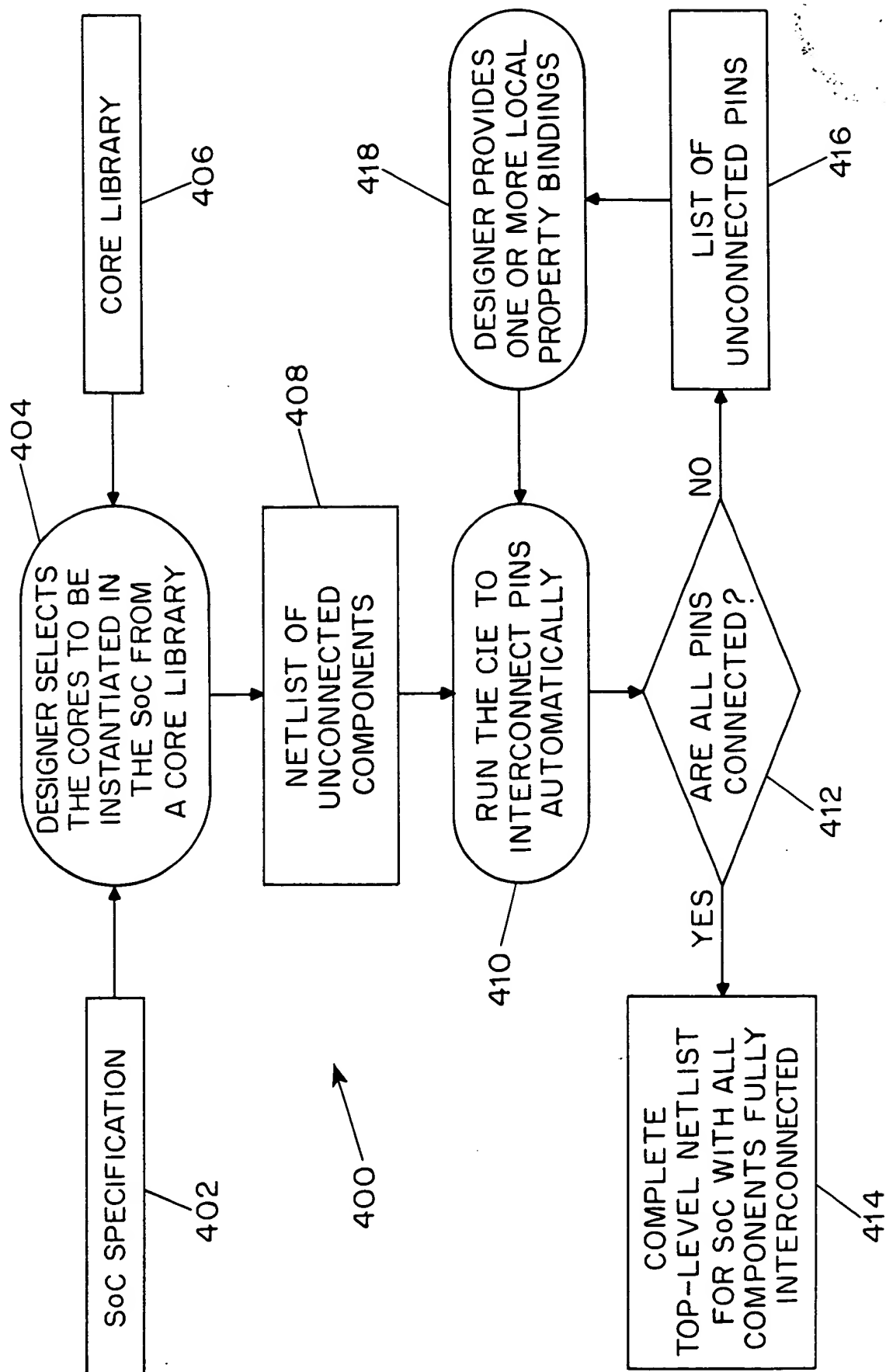


FIG. 4

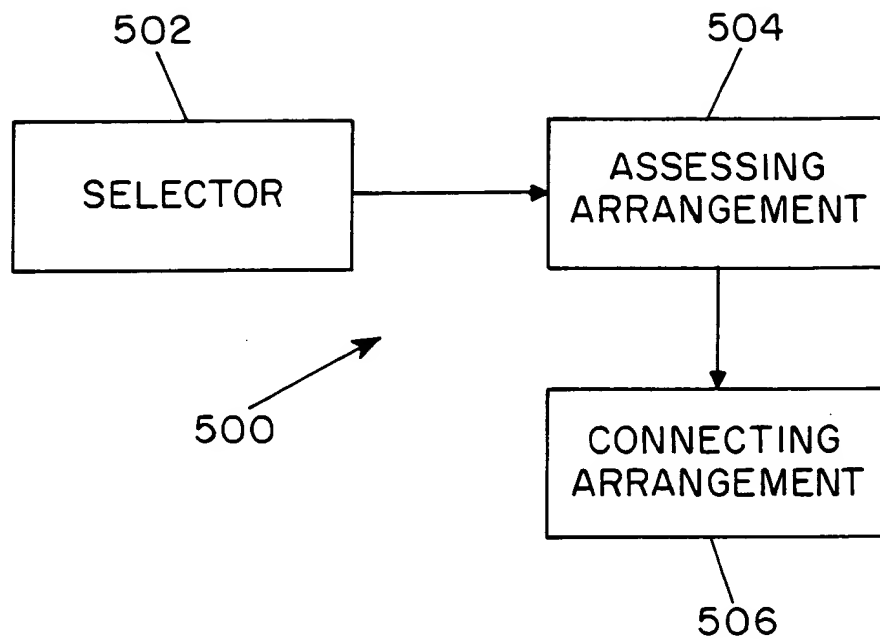


FIG. 5